

SUMMARY OF  
FULL CREW INTERACTIVE SIMULATION TRAINERS

March 27, 1998

Device 17B23

NAVAL AIR WARFARE CENTER TRAINING SYSTEM DIVISION

ORLANDO, FLORIDA



TRAINING CATEGORY:

Ground.

ORIGINATING AGENCY:

CMC

SECURITY CLASSIFICATION OF DEVICE:

Device 17B23 is unclassified.

PURPOSE OF DEVICE:

Develop crewmember proficiency for the Light Armored Vehicle (LAV-25).

INTENDED USE:

The LAV-FIST provides the necessary hardware and software to support precision and battle-sight gunnery, crew communication and coordination, and mission tactical skills for the Light Armored Vehicle (LAV-25) crewmembers.

Tactical procedures include: reconnaissance and reporting procedures, map reading and navigation, and calls for artillery fire. The tasks provided by the LAV-FIST are target acquisition, identification, engagement skills, familiarization, proficiency, sustainment, and cross-training of each crew position.

The LAV-FIST includes in Instructor/Operator Station (IOS) which allows the instructor to select weather conditions, time of day, ammunition quantity, mobile or

stationary targets, and type and quantity of targets. Also, the IOS automatically measures, records and evaluates crew performance as part of the after-action review (AAR).

#### PHYSICAL INFORMATION:

The LAV-FIST is shipped in a total of 16 boxes, of which 7 are used as the operational platform. The dimensions for the boxes are as follows:

<u>BOX</u>	<u>LONG</u>	<u>WIDE</u>	<u>HT.</u>	<u>WT.</u>
Box # 1	21	20	11.5	20
Box # 2	21	20	11.5	20
Box # 3	39	23	23	110
Box # 4	43	27	20.3	115
Box # 5	43	27	20.3	100
Box # 6	37	21	17	90
Box # 7	39	23	23	90
Box # 8	39	23	23	90
Box # 9	51	28	21.6	150
Box # 10	61	32	7	45
Box # 11	39.625	23.375	30	200
Box # 12	39.625	23.375	30	200
Box # 13	39.625	23.375	20.5	110
Box # 14	29	27	25.5	110
Box # 15	39.625	23.375	20.5	140
Box # 16	39.625	23.375	20.5	140

Boxes # 1-9 are used as shipping and storage containers for appended items.

Box # 10 is the Driver's Display Platform which is shipped in it's entirety and not in any container.

Box # 11 is the Image Generator Cabinet.

Box # 12 is the Host Computer & Video Distribution Cabinet.

Box # 13 is the Vehicle Interface Cabinet.

Box # 14 is the HMD Cabinet.

Box # 15 is the IOS Monitor Cabinet.

Box # 16 is the Visual Display Cabinet.

#### EQUIPMENT REQUIRED (Not Supplied):

Light Armored Vehicle (LAV-25)

#### POWER REQUIREMENTS:

120 Vac, 60 Hz, 30 Amp commercial power, equivalent generator power, or equivalent shipboard power.

#### PUBLICATIONS FURNISHED:

Training System Utilization Handbook,  
LAV-FIST Device 17B23,  
NAVAIRWARCENTRASYS DIV P-7384,  
(U).

Installation Checklist, LAV-FIST Device 17B23  
NAVAIRWARCENTRASYS DIV P-8072, (U).

Maintenance Requirement Cards,  
LAV-FIST Device 17B23  
NAVAIRWARCENTRASYS DIV P-7382, (U).

#### PERSONNEL:

Instructor/Operator - One or two IO (s) qualified in use of LAV-FIST and knowledgeable in LAV-25 crew operations.

Crewmembers - One LAV-25 crew consisting of the vehicle commander, gunner, and optional driver.

#### CONTRACT IDENTIFICATION:

Manufactured by Universal Systems & Technology, Inc., Training & Simulation Division, Winter Park, FLORIDA, under PMTRASYS, contract N00600-95-D-1367.

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